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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/027,632

DATE: 05/13/2002

TIME: 11:43:49

Input Set : D:\108827-129.ST25.txt

Output Set: N:\CRF3\05102002\J027632.raw

4 <110> APPLICANT: Wang, David G.
 6 <120> TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
 7 Polymorphisms in the Human Genome
 9 <130> FILE REFERENCE: 108827.129
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/027,632
 C--> 12 <141> CURRENT FILING DATE: 2002-04-30
 14 <150> PRIOR APPLICATION NUMBER: US 60/218,006
 15 <151> PRIOR FILING DATE: 2000-07-12
 17 <150> PRIOR APPLICATION NUMBER: US 60/198,676
 18 <151> PRIOR FILING DATE: 2000-04-20
 20 <150> PRIOR APPLICATION NUMBER: US 60/193,483
 21 <151> PRIOR FILING DATE: 2000-03-29
 23 <150> PRIOR APPLICATION NUMBER: US 60/185,218
 24 <151> PRIOR FILING DATE: 2000-02-24
 26 <150> PRIOR APPLICATION NUMBER: US 60/167,363
 27 <151> PRIOR FILING DATE: 1999-11-23
 29 <150> PRIOR APPLICATION NUMBER: US 60/156,358
 30 <151> PRIOR FILING DATE: 1999-09-28
 32 <150> PRIOR APPLICATION NUMBER: US 60/146,002
 33 <151> PRIOR FILING DATE: 1999-08-09
 35 <160> NUMBER OF SEQ ID NOS: 325720
 37 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 39 <210> SEQ ID NO: 1
 40 <211> LENGTH: 529
 41 <212> TYPE: DNA
 42 <213> ORGANISM: Human
 44 <400> SEQUENCE: 1
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 46 tctttatact tttattttt cccaaatttt tcttaagcaa atatttcttt gctaatacaat 120
 47 aaattatcaa aagaaaaaaa aactgaaagc aacgcttgaa aaaaggaaag ttagccctat 180
 48 cgggtatatt ttggaagttg taaaatacta crtgttctct tctaagtcct actcctctgt 240
 49 tttctttgag caggaaagag aaagcagtca cctctcttc catgacaaca acccatgacc 300
 50 ggctgcttgc ctgctccatc acaggaaggt gcagcagagc ccttttcttc ccagggttgt 360
 51 gggcaccttg aactatcctg gcttgctagc taagaaactg cccaagtga cgcacactca 420
 52 agctgttcgg ggacttcag aataaaccaa accagctgta ttactggtct ttgacatcct 480
 53 ctctggctcag ggccaagtca ctgtccctgt cttggagagg gcttctgag 529
 55 <210> SEQ ID NO: 2
 56 <211> LENGTH: 557
 57 <212> TYPE: DNA
 58 <213> ORGANISM: Human
 60 <400> SEQUENCE: 2
 61 ttcctctgca atcccctttt tctttagat atgaggcctg gactgggcaa ggacgtctct 60
 62 gtctgggctg tcaataggac aggttatttg ttgttgacat ctaccctcac ctcttacact 120

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63 caagctgcgg atactgcaga ccttggttaa agtgggcttc ttccctcccc tccattaatg 180
64 attctcacct ggcagcacag attttgcacc tatgcctgcc tgtggtgcag gcagccctc 240
65 accctgcccc ctcataggtt agcaactgga gcagggtcaag cccaggctgg gccctgggtt 300
66 gcccatggaa agcccaggga gaaatattgc cactgctccc gttatcccc aytggctgcc 360
67 acaagggcta accagctcaa ccccatcgg attctatgtt cttagagggt tttctgctat 420
68 cagtgttatt attgtcccat gaatgaactga gaagccatag tgattttaga gttcctaaa 480
69 agaggtagt acagtcgttc ttaggaaaga gctctgctgt caatcatcct accatccaag 540
70 gattactgtc tgtagta

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557

72 <210> SEQ ID NO: 3

73 <211> LENGTH: 572

74 <212> TYPE: DNA

75 <213> ORGANISM: Human

77 <400> SEQUENCE: 3

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78 cttcagtaac tcttgagagg gagatcactc cagagctgcc agtctgacta ccagagatgg 60
79 ggagtgtttg tcttgggagt gtggactgtt ctcttccatg agcctgatgt cctactgtct 120
80 gaggtggaag ggagccattg aaataggcct tgcggttcag agccagaccc tttcctggag 180
81 ccacaggggt gacagaagtg ggagctctgc tgcggttcag ggcagctgag ctggcagggt 240
82 ctggtgtact aggttcacac ttgtttgctg cccctggggt actctgaagt ttctcgaaca 300
83 ggttctgagt tctggaagca tttgtacac caygagaagt tccaatgttg tgaggagacc 360
84 ctggctggac aggtcctgta aaaaattctc ccgcagaatg ggtactgcca tttcacaag 420
85 gccggttttc aggcagctct gacaatgggt ggaggtctgc gctcctgacc atgagtttct 480
86 gaatggctgg acagagctgc ttctcaatgg ggggtgagtg tcttctgggt tctcatag 540
87 acagggagcg tacaaccccc tgcctaattg ga

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572

89 <210> SEQ ID NO: 4

90 <211> LENGTH: 576

91 <212> TYPE: DNA

92 <213> ORGANISM: Human

94 <220> FEATURE:

95 <221> NAME/KEY: misc_feature

96 <222> LOCATION: (1)...(576)

97 <223> OTHER INFORMATION: n = A,T,C or G

99 <400> SEQUENCE: 4

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100 ttcttctctc ctcatgagca gcaaaagggc aatgatgtga aagcacactg caaactgcaa 60
101 aatcctgaga ttaattctta ttcttctcta ctaatattgg gctttcttaa agcaagggtg 120
102 agctacacca aattttggtg gcgttattct ctttcataag caagatggga ccaggctctt 180
103 aaccctaact tatggagaaa gggagaactg tccttccagt gccatagttt catacgtggc 240
W--> 104 tcccancgcc ctgcccagc tgacctctgc catattccca ctctgagcca gggccctgtg 300
105 ccctacaggc attggcctgt gtgccccgtc aacttcacca ggctgactgg aagcagccca 360
106 gtaayacac agttctcact gtctggagtg gtgactcagt cactcttggc aacatctact 420
107 ctgtttccwt aaggctcaaa gagctcttca tatgaacctt gttgaacaag gactcaagga 480
108 gcttctcacc cactgcatg gctacgagat agaacacgga aaccaggctc actcacagac 540
109 cagcttgag gttttaattc caacttaaac attctc

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576

111 <210> SEQ ID NO: 5

112 <211> LENGTH: 576

113 <212> TYPE: DNA

114 <213> ORGANISM: Human

116 <220> FEATURE:

117 <221> NAME/KEY: misc_feature

118 <222> LOCATION: (1)...(576)

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119 <223> OTHER INFORMATION: n = A,T,C or G
121 <400> SEQUENCE: 5
122 ttcttctctcc ctcatgagca gcaaaagggc aatgatgtga aagcacactg caaactgcaa 60
123 aatcctgaga ttaattctta ttcttctcta ctaatattgg gctttcttaa agcaagggtg 120
124 agctacacca aattttgggtg gcgttattct ctttcataag caagatggga ccagggtctct 180
125 aaccaactc tatggagaaa gggagaactg tccttccagt gccatagttt catacgtggc 240
W--> 126 tcccancgcc ctgcccgaagc tgacctctgc catattccca ctctgagcca gggccctgtg 300
127 ccctacaggc attggcctgt gtgccccgtc aacttcacca ggctgactgg aagcagccca 360
128 gtaayacac agttctcact gtctggagtg gtgactcagt cactcttggc aacatctact 420
129 ctgtttccwt aaggctcaaa gagctcttca tatgaacctt gttgaacaag gactcaagga 480
130 gcttctcacc cagtgcatg gctacgagat agaacacgga aaccaggctc actcacagac 540
131 cagcttgag gttttaattc caacttaaac attctc 576
133 <210> SEQ ID NO: 6
134 <211> LENGTH: 572
135 <212> TYPE: DNA
136 <213> ORGANISM: Human
138 <220> FEATURE:
139 <221> NAME/KEY: misc_feature
140 <222> LOCATION: (1)...(572)
141 <223> OTHER INFORMATION: n = A,T,C or G
143 <400> SEQUENCE: 6
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145 aatggcggtc caacaaaaag ggcataacca agaggagagt tctcatggac tgtcctctcc 120
W--> 146 gggtaaggga acgcaacacg aagaaggaga ccttttccca cctctgggtg nngtgcatgg 180
147 cagacaaaac tctaccact gacagccata gaattccagc acacagggtc ttgagagtac 240
148 ccttagaaac tagccagccc trectggca gacaaggcaa ctgaggccca gagaagcaag 300
149 gcggtgtgac aaagaccac agtagttatt aaatcacagc cttaagcaa caactgacat 360
150 aatctaataa caaaggagat ggcttcaaag acaggtcaag gttgttacac gagagaaact 420
151 taccagatca ttgtgaggct agaagggttc tgggaggctg gagaaagatc tcatgtgggt 480
152 gggacccttg taggtcact caccacaaag attcatgcag atgcagattt caagcccttc 540
153 cctgctttgc tgtgccctca agataccgtg ga 572
155 <210> SEQ ID NO: 7
156 <211> LENGTH: 582
157 <212> TYPE: DNA
158 <213> ORGANISM: Human
160 <400> SEQUENCE: 7
161 agatggtgga agcatgtgca aggtatcttc tgaatgcttc tgttttctca gtgccatagc 60
162 aagcctcagg agagagtga gggaggga ggggtgttta agtataaggg ataagagatg 120
163 gggtgaaagg gccttttcaa gctgtaatgt gcttataaat cccctgggga tcttggttaa 180
164 atacagattc tgatttagga agcctagggc agagctagag attctgcatt tcaataaggc 240
165 tccaggtaat gcagatgcta ttggtccatg gaccacattt tgagtagcaa atctcttgaa 300
166 cagggtttct caatcttgac acccttgata ttttgaactg gatgagtacg tactgtgtcc 360
167 tacacattgt aggatgttta gcagtattcc tgggtctctac ccaactagatg ccagtagcat 420
168 cccttttcca gttgtgacaa tccaaaatgt tccattcctt gtcaaatatc ctctggggar 480
169 gcaaaaattag ccttgggaga agcactgctt tagaaagata tgaaagtaaa tcgattaggg 540
170 aatgtagtc agggcaatgg gcagcacac agacctactc aa 582
172 <210> SEQ ID NO: 8
173 <211> LENGTH: 597
174 <212> TYPE: DNA

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175 <213> ORGANISM: Human

177 <220> FEATURE:

178 <221> NAME/KEY: misc_feature

179 <222> LOCATION: (1)...(597)

180 <223> OTHER INFORMATION: n = A,T,C or G

182 <400> SEQUENCE: 8

183 gttgtacgat ccaggatccc ttttaacaag ctcccttggt ctgccatgtg agaaagggag 60
 184 cagcgggtgat caagaggaga tagaagccca ccttgagggt gatttgattc tattctrttc 120
 185 actcggagga ggcgacttg tgcctcagtt gtccaggctg cacttaactt agtatgctca 180
 186 accttggtag atactctcaa agtgggggac tgacaaacta aagcagataa gtgaagaaag 240
 187 aataatcaaa ttatagaatg aatgaatgtc tcaacattgg gaaccagggt agtagaacgt 300
 188 tgtcccaaa tagaggtaac aggcctccct ctccaggagg ccaactggag gctgacaagg 360
 189 ttaccacaga gaagattcct gcgctgaatg gagattaaag ctgcccaagg ctaagattct 420
 190 aggattcttg caaagttgtc acatagggtt gggatgctca gagattccag agccggaatg 480
 W--> 191 ccagcccagg actgggnagg gatagagaga ggtcaggaat atcagacacg acacagtttc 540
 192 agtaccgtat cctcacaca gccaaagtcag actcacctgg gtccagctgc tggetgt 597
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 195 <211> LENGTH: 579
 196 <212> TYPE: DNA

197 <213> ORGANISM: Human

199 <400> SEQUENCE: 9

200 aagctttaag cctgtagggt aaaatgatgt tgctgtgca cgtggtgtgt agtgtacagc 60
 201 ctgaggggtg tacaccacgg tctatgcctg catgtggatc ttccagcatg gagcaccgt 120
 202 gcttaggagg ttaacaacca ggagtaactg catggcattg gagkgggga tgctatagcc 180
 203 ggagaagggt gggaagtcct ggcttaggag acgttattga aaaattccca gagccagcag 240
 204 ggtgctgata ttcttgcca atgctcagac atcacagggc tccaactcca gtgccgggat 300
 205 gaggttggg ttggtgaggc actgcctctt cctgcctcta ctccacaga gaagtactt 360
 206 gctccttcat tcttcatcaa tcatttgaaa aatcccaagt gcctctccct cctgggtgag 420
 207 aattagatga cataatgtgt aaaatactgc gtgggacaca ttttgaaaaa tggtaacatg 480
 208 cataccatcc ttcttttga attctaactg tggcatgcgg ggccttcag actcatagt 540
 209 ataaccacac aggtctcgtc gttcattcct cagtaaata
 211 <210> SEQ ID NO: 10 579
 212 <211> LENGTH: 588
 213 <212> TYPE: DNA

214 <213> ORGANISM: Human

216 <220> FEATURE:

217 <221> NAME/KEY: misc_feature

218 <222> LOCATION: (1)...(588)

219 <223> OTHER INFORMATION: n = A,T,C or G

221 <400> SEQUENCE: 10

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 223 tctactactt aagtaacttc aagcattcat taggaaaata acatacttag aatcattata 120
 224 ttttactata gtgagttttt ctgctctcat ccaaattaat caaaccacaa tcaagttaaa 180
 225 gtacaagtct caaattagtt atgtgtcctt atcttctaca ttatttgggc tcatgtttag 240
 226 agagacagat aygagtttgg aatagctgat ctcatgagtg ggcttctcag cctaattatc 300
 227 ttacagaaat gaaatctggt ttaaaataag gattaatagc aggcctcagc aacaaacaga 360
 228 atctaaaaata taaacaaaaa agcaagggca agcaacagtt ttgcaggag gctattacca 420
 229 aagtgcagtc tgatggaaac cacagtttac acaccagaag ttgtctcctt ctgtgaaact 480
 W--> 230 aatcccaaga ggggtgggtt aggacattag cgtagcnagc tattggattt cctaattgat 540

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231 atgtctccca ctgtttaagc aagttctttc gtatgtaact gctccttc
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234 <211> LENGTH: 613
235 <212> TYPE: DNA
236 <213> ORGANISM: Human
238 <400> SEQUENCE: 11
239 gggatcctct agagtcgacc tgcaggcatg caagcttgta catgaatgct gataacaatg 60
240 ctgttcacag tagccaagag gtggaaacag ycctgagtc acccacagat gaatgaacac 120
241 accaagtgtg tccacacaat ggaatgtctt ttcattccatg acatgaagag ggtggcattc 180
242 cggcactggt acaacatgca cagactttga gggcacagaa ggacaaatgc ttagggttcc 240
243 attcatatga aatgcccaga actggcaaac ccatacagac agaaagcagc tcagaggctt 300
244 ccaggggctc gggggagggc acacggggag tgagtgtgcc gcattttcac gggatcttct 360
245 tttggagcca tggaaacggt ttggaactag agagttgtga tgacggcaaa acatcgtgag 420
246 cagaatgcca ctttaattgt acactttaag aagtgcattt tctggctggg rcggtggctc 480
247 acgcctgtaa tcccagcact ttgggaggcc aaggcagggt gatcacctga ggtcaggagt 540
248 tcaagactag cctgggcaac atggtgaaac cctgtctcta ctaaaaatac aaaacttagc 600
249 cgggggtggt gga
251 <210> SEQ ID NO: 12
252 <211> LENGTH: 613
253 <212> TYPE: DNA
254 <213> ORGANISM: Human
256 <400> SEQUENCE: 12
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258 ctgttcacag tagccaagag gtggaaacag ycctgagtc acccacagat gaatgaacac 120
259 accaagtgtg tccacacaat ggaatgtctt ttcattccatg acatgaagag ggtggcattc 180
260 cggcactggt acaacatgca cagactttga gggcacagaa ggacaaatgc ttagggttcc 240
261 attcatatga aatgcccaga actggcaaac ccatacagac agaaagcagc tcagaggctt 300
262 ccaggggctc gggggagggc acacggggag tgagtgtgcc gcattttcac gggatcttct 360
263 tttggagcca tggaaacggt ttggaactag agagttgtga tgacggcaaa acatcgtgag 420
264 cagaatgcca ctttaattgt acactttaag aagtgcattt tctggctggg rcggtggctc 480
265 acgcctgtaa tcccagcact ttgggaggcc aaggcagggt gatcacctga ggtcaggagt 540
266 tcaagactag cctgggcaac atggtgaaac cctgtctcta ctaaaaatac aaaacttagc 600
267 cgggggtggt gga
269 <210> SEQ ID NO: 13
270 <211> LENGTH: 578
271 <212> TYPE: DNA
272 <213> ORGANISM: Human
274 <400> SEQUENCE: 13
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276 tcatcggagc cttaaagatc cagagagata aagaaccaag gagaaaccac cctagaaaag 120
277 tcattttctta atttccagat tcaacggata ttctgctagg actaatcata ttctatttct 180
278 gggcaccac aactattatt tgaaaactcc catttacatc taacaccccc accccaagt 240
279 cctaccaca ttacagtggt atccagttat atgcagatcc atattttcct aaatttccag 300
280 gatacgtttt tctctgcat actctaggaa gcatacttta taggaggcat acactaaaga 360
281 actttttctac caaacatgt tttctcttat tttcttagag tctaartttt tccctaaaaa 420
282 aaaaaaaatc acccttctt ttttaattttt gggtttcttt tcttagaagt tttattgact 480
283 ttagcaagtt caatatata caaccatatac aggacaaaat tcatctacct gactaaagaa 540
284 aagtctgcat ctttttacc aggtaaacaa aagcagtg
286 <210> SEQ ID NO: 14

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Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.